AN/USQ-XXX TRSS Hand-Held Programmer-Monitor (HHPM)

Date Revised: 01 APR 03

VENDOR DESCRIPTION

Nova Engineering's HHPM is a lightweight, mobile, sensor communications, display, key management, and emplacement tool. The communications module is a VHF/UHF transceiver that conforms to the governing standard for virtually all current DoD sensor systems, and also provides "on the fly" spectrally-efficient secured waveform at multiple higher rates. The HHPM's GPS enables users to record the location of sensors, aid in their recovery, and indicate the range and direction to sensors that are processing targets. The HHPM's display is completely software controlled and can be configured, by the user, to accommodate additional variables as new sensor messages are derived. The HHPM is supplied with a helmet-mounted display to view received images, or those stored internally. The HHPM programs sensors via an RS-232 interface.

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UGS

Power Source		Environmental	
Internal	6 9V lithium batteries 24 hrs @ -25°C Alkaline batteries may be used for shorter periods and/or at higher temperatures.	High Temp	+55°C
		Low Temp	-30°C
		Rain	Blowing rain of 4" per hr
		Humidity	95% relative humidity, complies with MIL-STD-810
		Immersion	Withstands 24 hrs in 1m of H_2O, complies with MIL-STD-810
External	6-16 VDC	Shock	Drop test 1 meter onto concrete, complies with MIL-STD-810
		EMI/EMC	6 volts per meter from 14 kHz-40 GHz, complies with MIL-STD-461E

Device	Description	Message Type	Size/Weight	Features
Monitor	Used for sensor monitoring, sensor emplacement, and sensor recovery	TRSS TASS REMBASS PEWD	65 cubic inches 2.5 lbs. w/ battery	■ 1.2-56k data rates ■ Encryption & authentication ■ Monitoring system modes ■ Remotely commandable ■ Windows programmable ■ Programs sensors ■ 160 x 160 pixel display ■ Serial interface for computer displays ■ VGA output for imagery ■ Adjustable sound and backlight ■ VHF transceiver (Two output power modes) ■ UHF receiver ■ Power In/Out interfaces